

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

SPEC. SECTION	CATEGORY CODE NO.	QUANTITY	DESCRIPTION
806	96006I	1 EACH	12 IN., I-WAY, 3-SECTION (R.Y.G.) SIGNAL HEAD POLE MOUNT POLYCARBONATE
806	960015	6 EACH	12 IN., I-WAY, 3-SECTION (R.Y.G.) SIGNAL HEAD span MOUNT POLYCARBONATE
816	971017	1 EACH	EIGHT PHASE, FULLY-ACTUATED TRAFFIC SIGNAL CONTROLLER IN A NEMA SIZE *6" POLE MOUNTED SYSTEM READY CABINET.
816	900000	1 EACH	FOUR CHANNEL LOOP DETECTOR AMPLIFIERS (DELAY OUTPUT)
813	973023	79 S.F.	SHEET ALUMINUM SIGNS  - 1 EACH R3-8A SIGN (30 IN. x 36 IN.) - "LANE USE CONTROL - LEFT, THRU, RIGHT" SPAN MOUNT  - 1 EACH D3-2 SIGN (VARIABLE x 16 IN.) - (ADVANCE STREET NAME PANEL) SPAN MOUNT  - 1 EACH R3-5L SIGN MODIFIED (30 IN. x 36 IN.) - "LANE USE CONTROL - LEFT ONLY" SPAN WIRE MOUNT  - 1 EACH ONE PIECE SHIELD ASSEMBLY ON A BLACK BACKGROUND - (48 IN. x 75 IN.) POLE MOUNT: M3-1 SIGN (30 IN. x 15 IN.) "NORTH" (FOR INDEPENDENT USE) M1-5 SIGN (48 IN. x 36 IN.) "MARYLAND 197" (FOR INDEPENDENT USE) M6-1 SIGN (30 IN. x 24 IN.) "DIRECTIONAL ARROW- HORIZONTAL"  - 1 EACH ONE PIECE SHIELD ASSEMBLY ON A BLACK BACKGROUND - (30 IN. x 51 IN.) POLE MOUNT: M3-1 SIGN (30 IN. x 15 IN.) "SOUTH" (FOR INDEPENDENT USE) M1-5 SIGN (48 IN. x 36 IN.) "MARYLAND 197" (FOR INDEPENDENT USE) M6-1 SIGN (21 IN. x 15 IN.) "DIRECTIONAL ARROW- HORIZONTAL"  - 1 EACH RI-1 SIGN (30 IN. x 30 IN.) "STOP" GROUND MOUNT  - 1 EACH R3-2 SIGN (30 IN. x 30 IN.) "TURN PROHIBITION - NO LEFT TURN" SPAN MOUNT  - 1 EACH R3-1 SIGN (30 IN. x 30 IN.) "TURN PROHIBITION - NO RIGHT TURN" SPAN MOUNT

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

SPEC. SECTION	CATEGORY CODE NO.	QUANTITY	DESCRIPTION
104	120500	L.S.	MAINTENANCE OF TRAFFIC
205	203030	4 C.Y.	TEST PIT EXCAVATION
801	801004	1 C.Y.	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
804	837001	3 EACH	FURNISH AND INSTALL GROUND ROD - 3/4 IN. DIAMETER x 10 FT. LENGTH
805	805160	20 L.F.	FURNISH AND INSTALL 1 IN. LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
805	800000	30 L.F.	FURNISH AND INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
806	831010	2 EACH	FURNISH AND INSTALL 250 WATT H.P.S. LAMP AND LUMINAIRE
807	807205	1 EACH	FURNISH AND INSTALL CONTROL AND DISTRIBUTION EQUIPMENT
810	802501	330 L.F.	FURNISH AND INSTALL STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)
810	861104	350 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)
810	861107	805 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
810	861116	165 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 AWG)
810	862101	880 L.F.	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)
811	811001	3 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
813	800000	72 S.F.	INSTALL OVERHEAD SIGN
814	800000	7 EACH	INSTALL SIGNAL HEADS - ANY TYPE
805	805023	35 L.F.	FURNISH AND INSTALL 2" ELECTRICAL CONDUIT - PVC RISER
—	800000	1 EACH	FURNISH AND INSTALL 2" WEATHER HEAD
—	800000	5 EACH	FURNISH AND INSTALL 3" WEATHER HEAD
—	869102	325 L.F.	FURNISH AND INSTALL 3/8" SPAN WIRE
815	862102	1000 L.F.	FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR)
816	871117	1 EACH	INSTALL EIGHT-PHASE (FULLY ACTUATED) CONTROLLER AND CABINET - POLE MOUNTED
818	866104	2 EACH	FURNISH AND INSTALL 20 FT. LIGHTING ARM ON SIGNAL STRUCTURE
—	800000	L.S.	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT
—	873001	L.S.	REMOVE EXISTING SIGNAL EQUIPMENT TO BE SALVAGED
—	800000	4 EACH	FURNISH AND INSTALL 40' CLASS 2 WOOD POLE WITH BACK GUY'S
—	800000	L.S.	DELIVERY OF SALVAGED MATERIALS
810	800000	10 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 3 CONDUCTOR (NO. 4 AWG)
—	800000	160 L.F.	FURNISH AND INSTALL 3" ELECTRICAL CONDUIT - PVC RISER
—	114245	105 L.F.	FURNISH AND INSTALL 24" WHITE REMOVABLE PREFORMED PAVEMENT MARKING TAPE (STOP LINE).
—	100000	130 L.F.	FURNISH AND INSTALL 5" WHITE REMOVABLE PREFORED PAVEMENT MARKING TAPE.
810	800000	2 EACH	MICRO-LOOP PROBE SET WITH 500 FT. LEAD IN.
—	800000	7 S.F.	INSTALL GROUND MOUNTED SIGN
812	801104	16 L.F.	FURNISH AND INSTALL 4"x4" WOOD POST

EQUIPMENT LIST "C"

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE  
HIGHWAY ADMINISTRATION, 7941 CONNELLEY DRIVE, HANOVER, MARYLAND 21076.

QUANTITY	DESCRIPTION
1	STEEL MAST ARM POLE WITH 46' & 32' MAST ARMS
1	TRAFFIC SIGNAL CONTROLLER AND CABINET.
1	STEEL MAST ARM WITH 40' & 50' MAST ARMS

- NOTES:
1. THE CONTRACTOR SHALL NOTIFY THE SHA AT 410-787-7652  
AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.
  2. ALL EQUIPMENT TO BE REMOVED AND NOT LISTED ABOVE  
SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

CONSTRUCTION DETAILS

- FURNISH AND INSTALL 40' CLASS 2 WOOD POLE, 3" WEATHER HEAD AND  
3" RISER, AND BACK GUY(S).
- FURNISH AND INSTALL 40' CLASS 2 WOOD POLE AND POLE MOUNTED CABINET,  
2-3" WEATHER HEADS AND 2-3" RISERS, 2" WEATHER HEAD AND 2" RISER, 20' LIGHTING  
ARM, 250 WATT H.P.S., AND BACK GUY(S).
- FURNISH AND INSTALL 40' CLASS 2 WOOD POLE, 3" WEATHER HEAD AND 3" RISER,  
20' LIGHTING ARM, 250 WATT H.P.S., AND BACK GUY(S).
- FURNISH AND INSTALL 40' CLASS 2 WOOD POLE 3" WEATHER HEAD AND 3" RISER,  
POLE MOUNTED SIGNAL AND BACK GUY(S).
- FURNISH AND INSTALL HANDHOLE.
- FURNISH AND INSTALL 3" PVC TRENCHED.
- INSTALL 3/8" SPAN WIRE, ELECTRICAL CABLE, SIGNAL HEADS AND SIGNS.
- INSTALL 6" X 30' LOOP DETECTOR, ENCASED IN 1/4" FLEXIBLE  
TUBING (3-6-3 TURNS) QUADRUPOLE TYPE.
- REMOVE CONTROLLER AND CABINET.
- REMOVE HANDHOLE.
- REMOVE STEEL POLE, MAST ARMS, LIGHTING ARM AND SIGNAL HEADS.
- REMOVE STEEL POLE, MAST ARMS, SIGNS AND SIGNAL HEADS.
- REMOVE SPAN WIRE AND ELECTRICAL CABLE.
- INSTALL 1" LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT  
(DETECTOR WIRE SLEEVE).
- 24" WHITE REMOVABLE PREFORMED PAVEMENT MARKING TAPE (STOP LINE)
- INSTALL MICRO-LOOP PROBE SET 500' LEAD IN.
- INSTALL 5" WHITE REMOVABLE PREFORMED PAVEMENT MARKING TAPE.
- INSTALL GROUND MOUNTED SIGN ON 4"x4" WOOD POST

ADDENDUM

STAGE 2  
TEMPORARY TRAFFIC SIGNALS

SS-14

MDOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION LOG MILE # 16019711.69

DRAWN BY: SMH  
DES. BY: SMH/DLA  
CHK. BY: BJH

MD 197 AT SNOWDEN RD/RAMP C-1  
SIGNAL PLAN

COUNTY: PRINCE GEORGE'S

DATE: FEBRUARY, 1999 F.A.P. NO. SEE TITLE SHEET  
SCALE: N/A S.H.A. NO. N/A

TS/STD. NO.: SHEET NO.  
3582B-X2-G12 126D OF 367

**R&K**  
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REVISIONS:	APPROVALS:
	CHIEF SIGNAL DESIGN SECTION
	ASST. DISTRICT ENGINEER TRAFFIC
	CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
(B) February, 1999 Reconstruct Due To New Geometrics. SHA No. N/A	DIRECTOR OFFICE OF TRAFFIC & SAFETY